

## **Automatic IPv6 Connect Agent Discovery Using DNS**

### ***Abstract of the Invention***

An IPv6 enabled node finds an IPv6 connect agent by using a Domain Name System (DNS) server. The IPv6 enabled node sends a query to the DNS server and, in response, receives one or more identifiers of one or more IPv6 connect agents. In one embodiment, an identifier comprises the name of an IPv6 connect agent. In this embodiment, the IPv6 enabled node then sends a name of a desired IPv6 connect agent to the DNS server and, in response, receives the address of that IPv6 connect agent. The IPv6 enabled node is then able to engage in IPv6 communication using that IPv6 connect agent. In another embodiment, an identifier comprises the address of an IPv6 connect agent. In this embodiment, the IPv6 enabled node is able to engage in IPv6 communication using that IPv6 connect agent without any further contact with the DNS server.